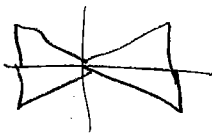


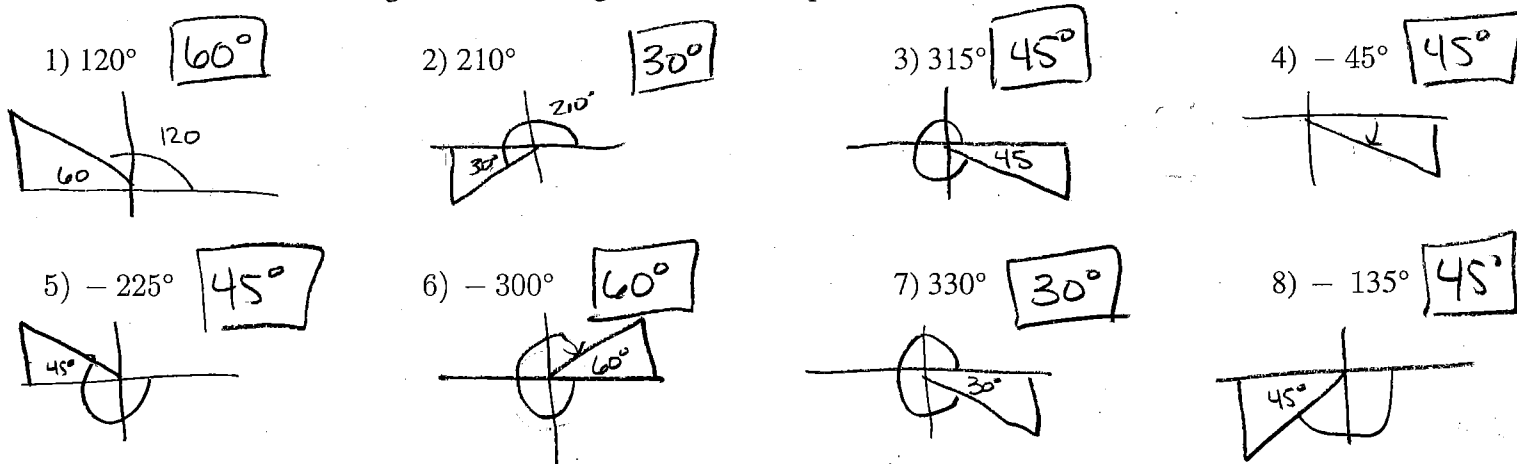
Analysis
Special Angles

No Calculators!

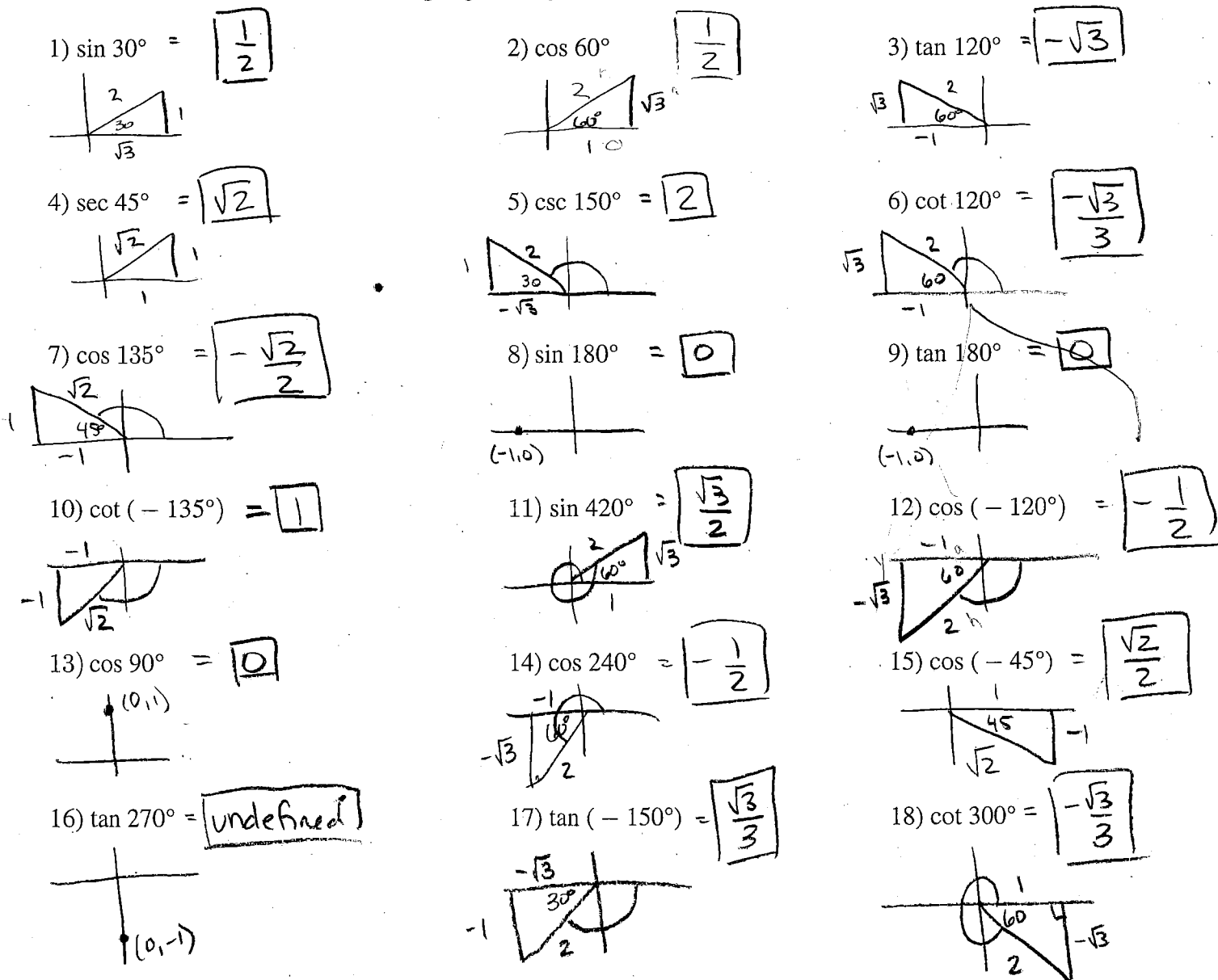


Name Key

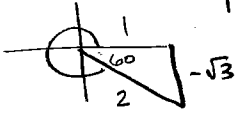
Determine the reference angle θ for each angle θ in standard position.



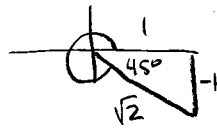
Find the exact values of the following trigonometry.



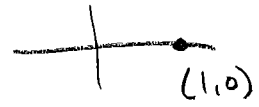
$$19) \sin 300^\circ = \boxed{\frac{-\sqrt{3}}{2}}$$



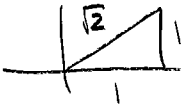
$$20) \sin 315^\circ = \boxed{\frac{-\sqrt{2}}{2}}$$



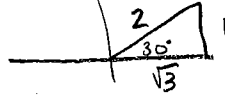
$$21) \tan 360^\circ = \boxed{0}$$



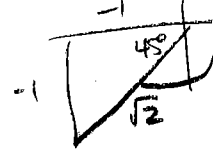
$$22) \sec 45^\circ = \boxed{\sqrt{2}}$$



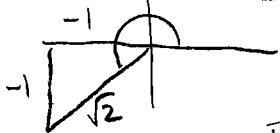
$$23) \cot 390^\circ = \boxed{\sqrt{3}}$$



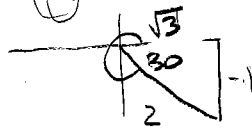
$$24) \sec(-135^\circ) = \boxed{-\sqrt{2}}$$



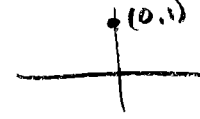
$$25) \csc 225^\circ = \boxed{-\sqrt{2}}$$



$$26) \sec 330^\circ = \frac{2\sqrt{3}}{3}$$



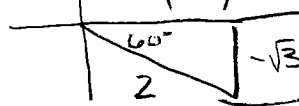
$$27) \tan 90^\circ = \text{undefined}$$



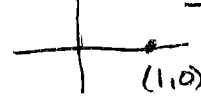
$$28) \cot 90^\circ = \boxed{0}$$



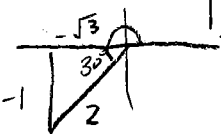
$$29) \csc(-60^\circ) = \boxed{-\frac{2\sqrt{3}}{3}}$$



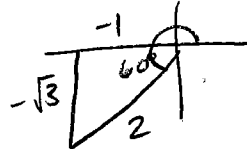
$$30) \cos 0^\circ = \boxed{1}$$



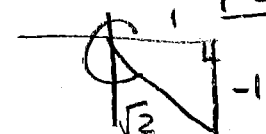
$$31) \tan 210^\circ = \boxed{\frac{\sqrt{3}}{3}}$$



$$32) \sin 240^\circ = \boxed{-\frac{\sqrt{3}}{2}}$$

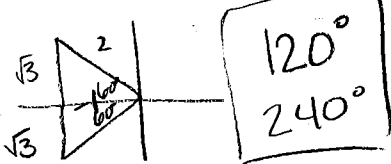


$$33) \cos 315^\circ = \boxed{\frac{\sqrt{2}}{2}}$$

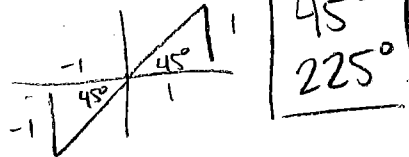


If $0^\circ \leq \theta \leq 360^\circ$ determine the value(s) of θ in degrees that make each statement true.

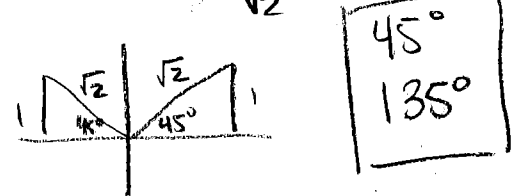
$$1) \cos \theta = -\frac{1}{2}$$



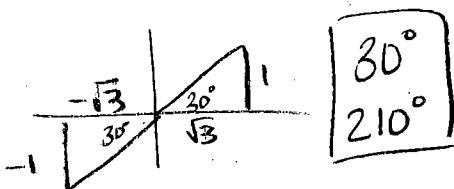
$$2) \cot \theta = 1$$



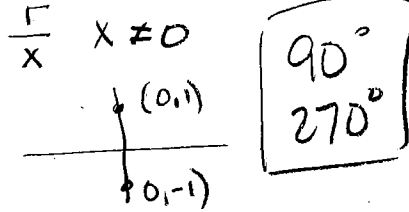
$$3) \sin \theta = \frac{\sqrt{2}}{2} = \frac{1}{\sqrt{2}}$$



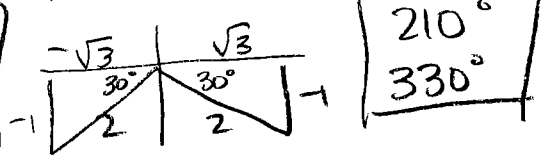
$$4) \tan \theta = \frac{\sqrt{3}}{3} = \frac{1}{\sqrt{3}}$$



$$5) \sec \theta \text{ is undefined}$$



$$6) \csc \theta = -2$$



$$7) \sin \theta = -1$$

$$8) \cot \theta = \sqrt{3}$$

$$9) \cos \theta = -\frac{\sqrt{3}}{2}$$