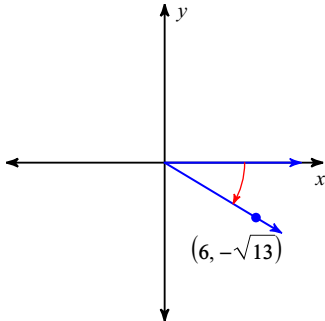


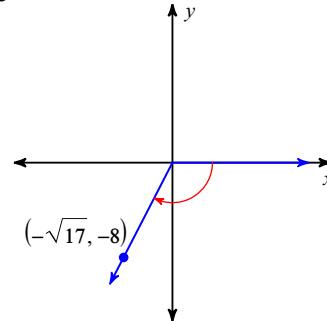
17.2: Evaluating Trig given a point

Use the given point on the terminal side of angle θ to find the value of the trigonometric function indicated.

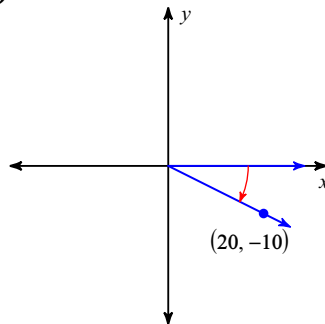
1) $\sin \theta$



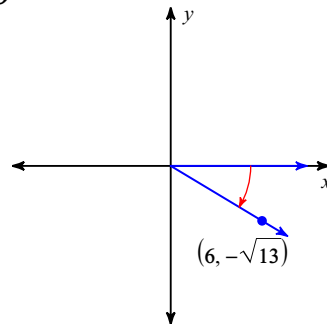
2) $\csc \theta$



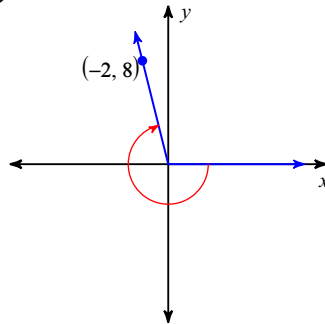
3) $\sec \theta$



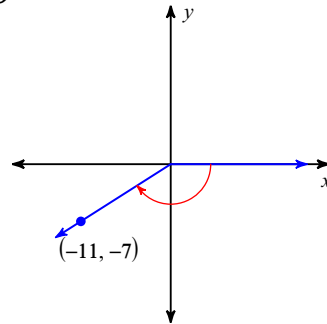
4) $\tan \theta$



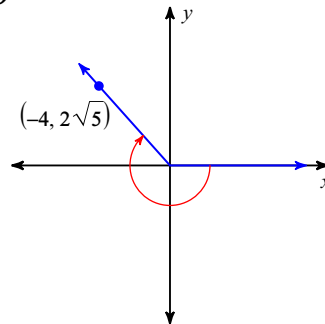
5) $\csc \theta$



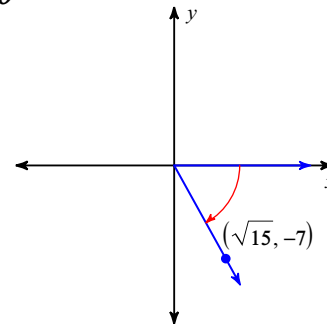
6) $\tan \theta$



7) $\cos \theta$



8) $\cos \theta$



9) $\csc \theta; (-\sqrt{15}, -7)$

10) $\tan \theta; (8, -2)$

11) $\cot \theta; (2, 20)$

12) $\sec \theta; (3, 9)$

13) $\cot \theta; (2\sqrt{5}, -4)$

14) $\sin \theta; (-6, -2)$

15) $\sec \theta; (9, -3)$

16) $\cot \theta; (-19, -5)$

17) $\cot \theta; (-20, -10)$

18) $\csc \theta; (-4, 2\sqrt{5})$

Answers to 17.2: Evaluating Trig given a point (ID: 1)

$$1) -\frac{\sqrt{13}}{7}$$

$$5) \frac{\sqrt{17}}{4}$$

$$9) -\frac{8}{7}$$

$$13) -\frac{\sqrt{5}}{2}$$

$$17) 2$$

$$2) -\frac{9}{8}$$

$$6) \frac{7}{11}$$

$$10) -\frac{1}{4}$$

$$14) -\frac{\sqrt{10}}{10}$$

$$18) \frac{3\sqrt{5}}{5}$$

$$3) \frac{\sqrt{5}}{2}$$

$$7) -\frac{2}{3}$$

$$11) \frac{1}{10}$$

$$15) \frac{\sqrt{10}}{3}$$

$$4) -\frac{\sqrt{13}}{6}$$

$$8) \frac{\sqrt{15}}{8}$$

$$12) \sqrt{10}$$

$$16) \frac{19}{5}$$