

## Answers

---

### Lesson 13.2

#### Level B

1.  $-283^\circ$

2.  $-248^\circ$

3.  $300^\circ$

4.  $240^\circ$

5.  $140^\circ, -220^\circ$

6.  $125^\circ, -235^\circ$

7.  $60^\circ$

8.  $20^\circ$

9.  $90^\circ$

10.  $60^\circ$

11.  $65^\circ$

12.  $20^\circ$

13.  $\sin \theta = \frac{-4}{5}, \cos \theta = \frac{3}{5}, \tan \theta = \frac{-4}{3}$

$\csc \theta = \frac{-5}{4}, \sec \theta = \frac{5}{3}, \cot \theta = \frac{-3}{4}$

14.  $\sin \theta = \frac{2\sqrt{5}}{5}, \cos \theta = \frac{-\sqrt{5}}{5}, \tan \theta = -2$

$\csc \theta = \frac{\sqrt{5}}{2}, \sec \theta = -\sqrt{5}, \cot \theta = \frac{-1}{2}$

15.  $\sin \theta = \frac{-3\sqrt{13}}{13}, \cos \theta = \frac{-2\sqrt{13}}{13},$

$\tan \theta = \frac{3}{2}, \csc \theta = \frac{-\sqrt{13}}{3},$

$\sec \theta = \frac{-\sqrt{13}}{2}, \cot \theta = \frac{2}{3}$

16.  $\frac{-\sqrt{33}}{7}$

17.  $\sqrt{3}$

18.  $\frac{-2\sqrt{29}}{29}$

19.  $\frac{-7\sqrt{65}}{65}$

20.  $\frac{-\sqrt{5}}{2}$

21.  $\frac{5\sqrt{106}}{106}$