Bellwork

Alg 2B

Friday, February 16, 2018

Use the Unit Circle to find the EXACT value of each.

1. $Tan \frac{50\pi}{3}$

- 2. $\cos \frac{-25\pi}{6}$
- 3. $\sin 72\pi$

4. Cos1215°

- 5. Sin(-2220°)
- 6. $Tan \frac{39\pi}{2}$
- 7. Which of the following is a factor of this polynomial? $4a^2 + 20ab + 25b^2$
- A) a+b
- B) 2a + 5b
- C) 4a + 5b
- D) 4a + 25b
- 8. Thomas installed a new stove in his restaurant. At the time of installation, the stove had a value of \$800. Thomas estimates that each year the value of the stove will depreciate by 20% of the previous year's estimated value. What is the estimated value of the stove exactly 2 years after Thomas installed it?
- A) \$480
- B) \$512
- C) \$556
- D) \$640

Bellwork Alg 2B Friday, February 16, 2018

Use the Unit Circle to find the EXACT value of each.

1. $Tan \frac{50\pi}{3}$

- 2. $\cos \frac{-25\pi}{6}$
- 3. $\sin 72\pi$

4. Cos1215°

- 5. Sin(-2220°)
- 6. Tan $\frac{39\pi}{2}$
- 7. Which of the following is a factor of this polynomial? $4a^2 + 20ab + 25b^2$
- A) a+b
- B) 2a + 5b
- C) 4a + 5b
- D) 4a + 25b
- 8. Thomas installed a new stove in his restaurant. At the time of installation, the stove had a value of \$800. Thomas estimates that each year the value of the stove will depreciate by 20% of the previous year's estimated value. What is the estimated value of the stove exactly 2 years after Thomas installed it?
- A) \$480
- B) \$512
- C) \$556
- D) \$640

Bellwork

Alg 2B

Friday, February 16, 2018

Answers

Use the Unit Circle to find the EXACT value of each.

1.
$$Tan \frac{50\pi}{3}$$

=
$$Tan \frac{2T}{3}$$

$$=\frac{\frac{73}{2}}{-\frac{1}{3}}=-\frac{1}{3}$$

2.
$$\cos \frac{-25\pi}{6}$$

$$=$$
 $\frac{\sqrt{3}}{2}$

3.
$$\sin 72\pi$$

4. Cos1215°

$$= \frac{5 \cdot 1300}{-13}$$

6.
$$Tan \frac{39\pi}{2}$$

=
$$\tan \frac{3\pi}{2}$$
= $\frac{1}{0}$ = undefined

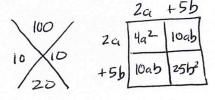
7. Which of the following is a factor of this polynomial? $4a^2 + 20ab + 25b^2$

A)
$$a+b$$

(B)
$$2a + 5b$$

C)
$$4a + 5b$$

D)
$$4a + 25b$$



- 8. Thomas installed a new stove in his restaurant. At the time of installation, the stove had a value of \$800. Thomas estimates that each year the value of the stove will depreciate by 20% of the previous year's estimated value. What is the estimated value of the stove exactly 2 years after Thomas installed it? b = 100% 20% 80% 80%
- A) \$480
- B) \$512
- C) \$556
- D) \$640
- y= #800(.8)2 = #512