

3) If $\cos(x) = 3/5$ and x is in quadrant IV, find $\sin(2x)$.

A) $24/25$

B) $-24/25$

C) $-7/25$

D) $7/25$

3) ____

4) Express the point $(2, \pi/3)$ in Cartesian coordinates.

A) $(1/2, \sqrt{3}/2)$

B) $(\sqrt{3}/2, 1/2)$

C) $(\sqrt{3}, 1)$

D) $(1, \sqrt{3})$

4) ____

5) Compute $\lim_{x \rightarrow 2} x^2 - 1$

A) 4

B) 2

C) 3

D) Does not exist (DNE)

5) ____

6) Compute $\lim_{x \rightarrow 1} \frac{x^2 - 1}{x - 1}$

A) 2

B) Does not exist (DNE)

C) -2

D) 1

6) ____

7) Find the area of a sector of a circle of radius 3 with arc length 6.

A) 18

B) 9π

C) 27

D) 9

7) ____