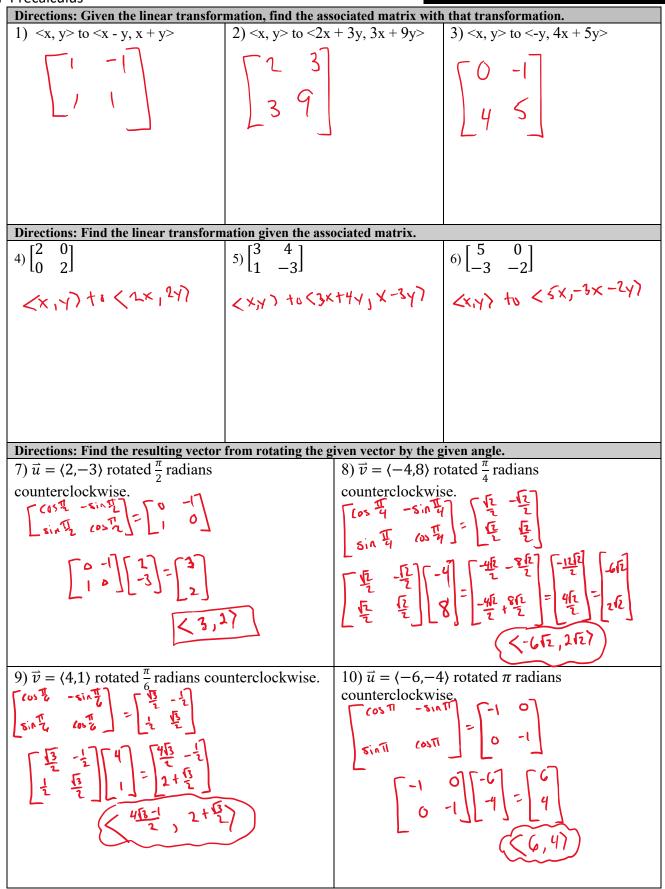
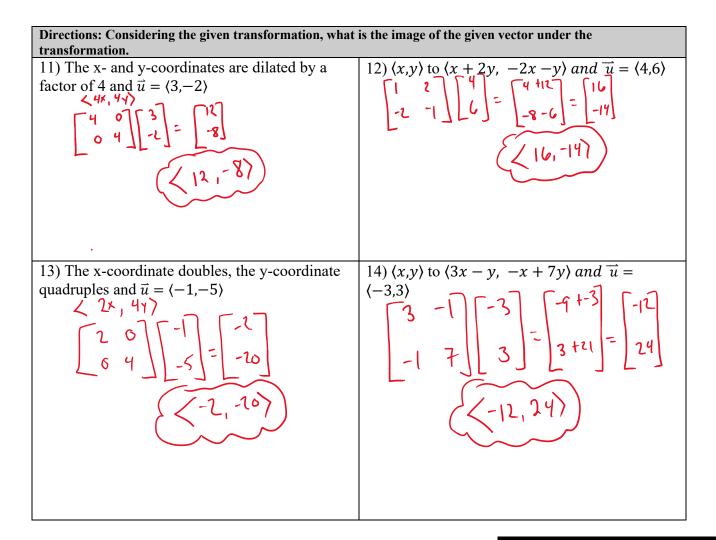
4.13A Matrices as Functions

AP Precalculus

4.13A Practice Solutions





4.13A Matrices as Functions

4.13A Test Prep

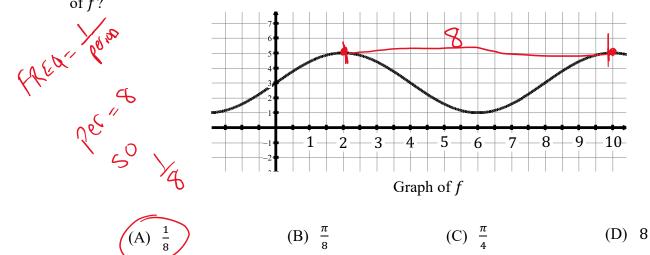
(05 =) K-Values

15. (3.2B) An angle is in standard position in the xy-plane. Which of the following is true about θ on the interval $0 \le \theta \le 2\pi$ if $\cos \theta < \theta \ge 0$ is the interval $0 \le \theta \le 2\pi$ if $\cos \theta < \theta \ge 0$ is the interval $\theta < \theta \le 2\pi$ if $\cos \theta < \theta \ge 0$.

- (A) There is no value θ of on $0 \le \theta \le 2\pi$ for which $\cos < 0$.
- (B) There are values θ of on $0 \le \theta \le 2\pi$ for which $\cos \theta < 0$ in all four Quadrants.
- (C) There is a value of θ on $0 \le \theta \le 2\pi$ for which $\cos \theta < 0$ in Quadrant II only.

(D) There are values of θ on $0 \le \theta \le 2\pi$ for which $\cos \theta < 0$ in Quadrants II and III only.

16. (3.5) The figure shows the graph of a periodic function f in the xy-plane. What is the frequency of f?



17. (3.6A) The table gives ordered pairs for seven points from a larger data set. The larger data set can be modeled by a sinusoidal function f with a period of 6. The minimum values of the data set occur at x-values that are multiples of 6.

