

Answers to Review-Vectors/parametric (ID: 1)

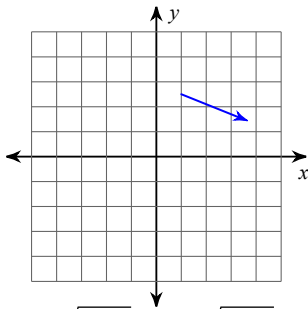
1) $\sqrt{2386} \approx 48.847$

2) $\langle 4, 1 \rangle$

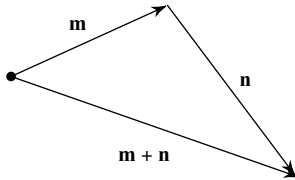
3) $\langle -17.98, -17.37 \rangle$

4) 146.69°

5)



6)



7) $\langle -84, -75 \rangle$

8) $\left\langle \frac{11\sqrt{157}}{157}, -\frac{6\sqrt{157}}{157} \right\rangle$

9) 71

10) *Orthogonal*

11) *Orthogonal*

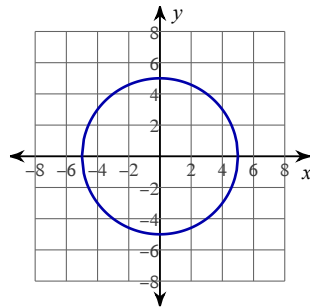
12) 151.93°

13) $x = -\frac{y^2}{5}$

14) $x = -\frac{y^2}{6}$

15) $\frac{x^2}{25} + \frac{y^2}{25} = 1$

16)



17) i) $x = 4t, y = 4t\sqrt{3} - \frac{32.17t^2}{2}$

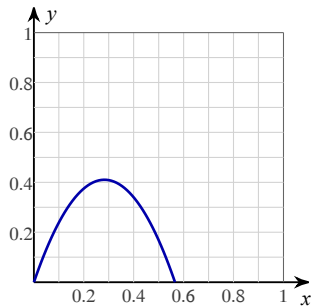
ii) 0.43 s

iii) 1.72 ft

iv) 0.22 s

v) 0.75 ft

18)



i) $x = 3t\cos 71, y = 3t\sin 71 - \frac{9.8t^2}{2}$

ii) 0.58 s

iii) 0.57 m

iv) 0.29 s

v) 0.41 m