

Answers to Worksheet 6 - Lesson 25

1) 43 mph

2) 11.2 hours

3) 6.25 hours

4) 16.29 hours

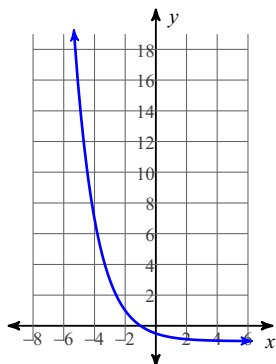
5) $\left(\frac{2}{3}\right)$

6) $\left(\frac{3}{4}\right)$

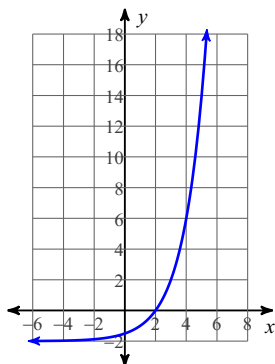
7) $y = 4 \cdot 2^x$

8) $f(x) = 3 \cdot \left(\frac{1}{2}\right)^x$

9)



10)



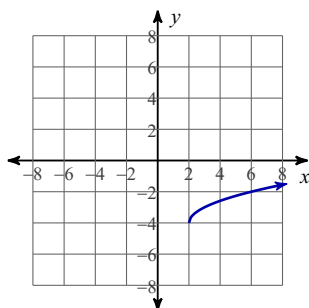
11) n^4

12) $\frac{9 + t^2}{18 + 3t}$

13) $15t + 8$

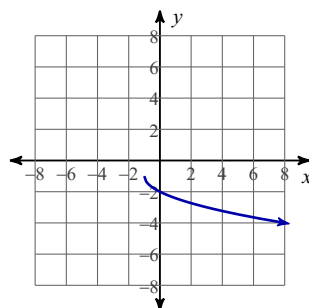
14) $20x + 21$

15)



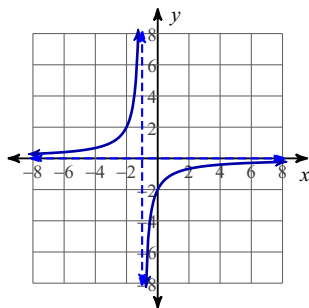
Domain: $x \geq 2$
Range: $y \geq -4$

16)



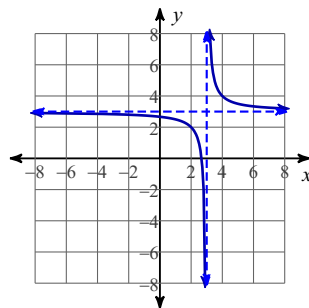
Domain: $x \geq -1$
Range: $y \leq -1$

17)

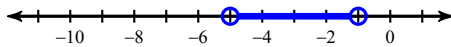


Domain:
All reals except -1
Range:
All reals except 0

18)



Domain:
All reals except 3
Range:
All reals except 3

19) $-5 < n < -1$: 

20) $p \geq -2$ or $p \leq -4$: 