

$$\textcircled{20} \quad D: (8, \infty) \\ R: (-\infty, \infty)$$

$$\textcircled{24} \quad R: [-6, \infty) \\ D: [-3, \infty)$$

$$\textcircled{21} \quad \frac{4m \log 5}{\log 5} = \frac{\log 275}{\log 5} \\ 4m = 3.4899 \\ m \approx .8725$$

$$\textcircled{25.}) \quad \sqrt{2x-1} = (9)^2 \\ 2x-1 = 81 \\ 2x = 82 \\ x = 41$$

$$\textcircled{22} \quad 2^{2(2h-1)} = 2^{3(3h+10)}$$

$$4h - 2 = 9h + 30 \\ -9h + 2 \quad -9h + 2$$

$$-5h = 32 \\ h = -6.4$$

$$\textcircled{23} \quad 5 + 4^{j-1} = 48$$

$$4^{j-1} = 43$$

$$(j-1) \frac{\log 4}{\log 4} = \frac{\log 43}{\log 4}$$

$$j-1 = 2.713 \\ j \approx 3.713$$