

Problem 28

$$48) d(x) = \frac{0.6}{\cos(x)}$$

$$49) n(x) = 0.6 \cdot \tan(x)$$

$$50) d(x) \rightarrow \infty \text{ as } x \rightarrow 90^\circ$$

$$51) x = \tan^{-1}\left(\frac{4}{0.6}\right) \blacktriangleright 81.47$$

$$52) d = \frac{0.6}{\cos(75)} \blacktriangleright 2.318$$

$$53) y = \sin\left(\frac{2}{3} \cdot x - 360\right)$$

$$54) y = \sin\left(\frac{2}{3}x + 360\right)$$

$$55) y = \sin\left(\frac{2}{3} \cdot x + 360 \cdot n\right) \text{ with } n \in \mathbb{Z}$$

$$56) y = \cos(20 \cdot x - 60)$$

$$57) y = \cos(20 \cdot x + 300)$$

$$58) y = \cos(20 \cdot x - 60 - 360 \cdot n) \text{ with } n \in \mathbb{Z}$$

$$y = \cos(20 \cdot x + 300 + 360 \cdot n) \text{ with } n \in \mathbb{Z}$$

$$59) y = \tan(3 \cdot x - 45)$$

$$60) y = \tan(3 \cdot x + 135)$$

$$61) y = \tan(3 \cdot x + 45 + 180 \cdot n) \text{ with } n \in \mathbb{Z}$$

$$y = \tan(3 \cdot x - 45 - 180 \cdot n) \text{ with } n \in \mathbb{Z}$$