

1a) 37°

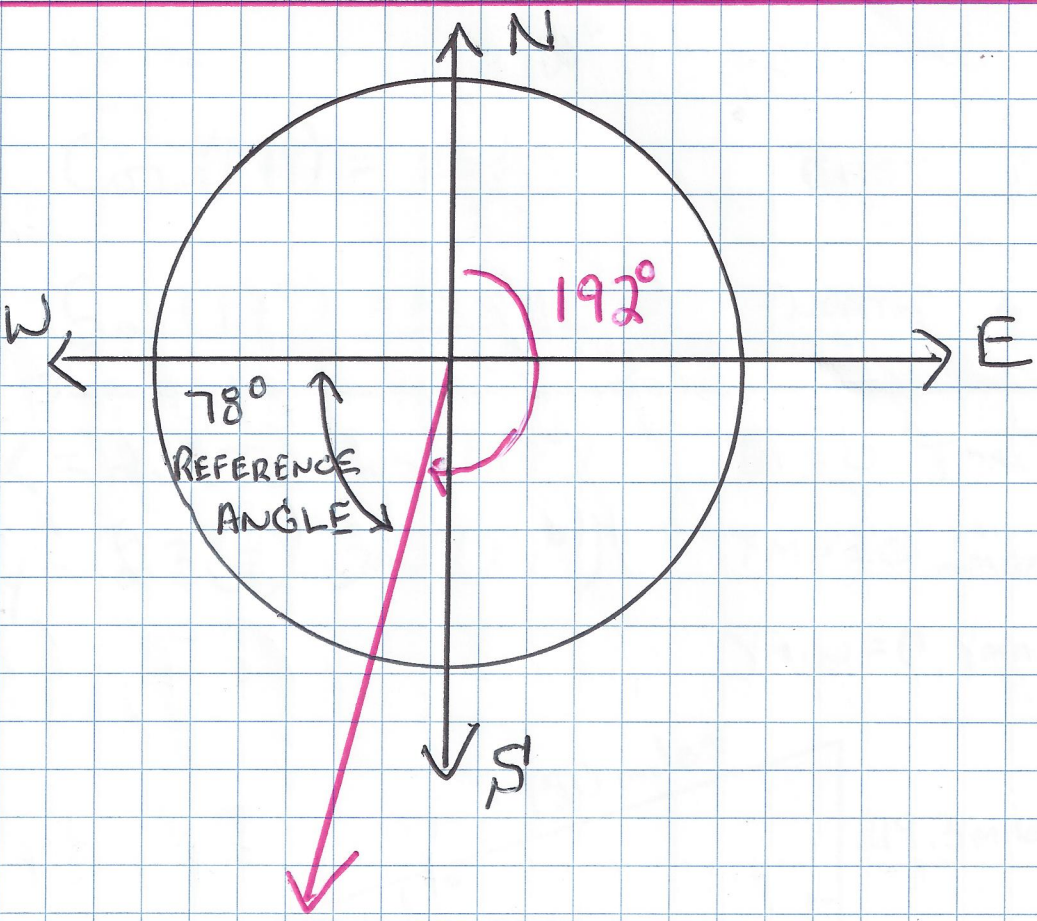
X DIRECTION IS POSITIVE

Y DIRECTION IS POSITIVE

1b) 323°

X DIRECTION NEGATIVE

Y DIRECTION POSITIVE

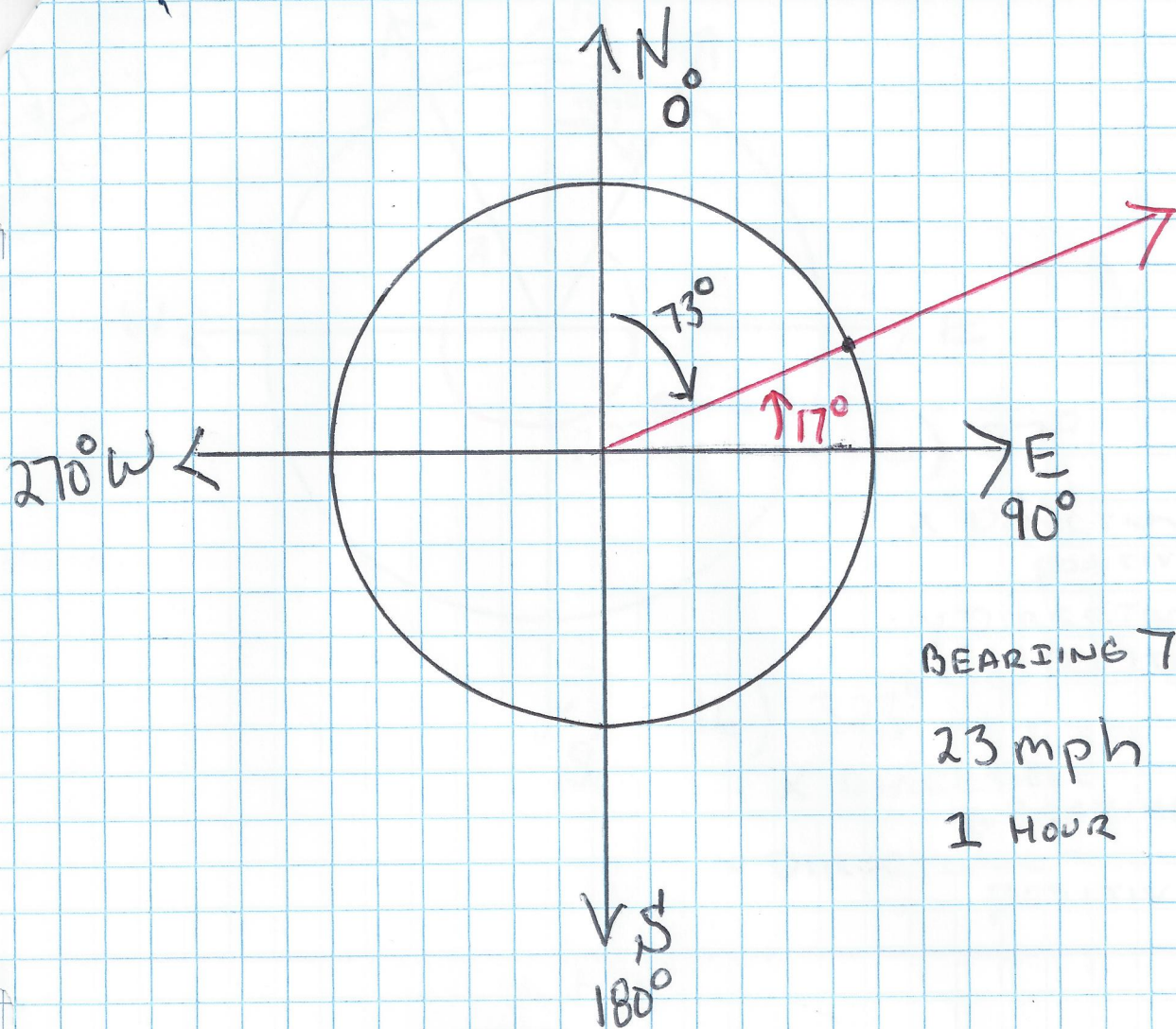


78°
REFERENCE ANGLE

192°

00

50



$$\cos(17^\circ) = \frac{\text{EAST}}{23}$$

EAST 22.0 miles

$$\sin(17^\circ) = \frac{\text{NORTH}}{23}$$

NORTH 6.7 miles

$$X = 23(T) \cos(17^\circ)$$

$T_{\min} = 0$ $T_{\max} = 41$ $T_{\text{step}} = 1$

$$Y = 23(T) \sin(17^\circ)$$

$X_{\min} = 0$ $X_{\max} = 900$ $X_{\text{step}} = 100$

$Y_{\min} = 0$ $Y_{\max} = 300$ $Y_{\text{step}} = 50$

