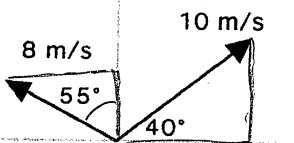


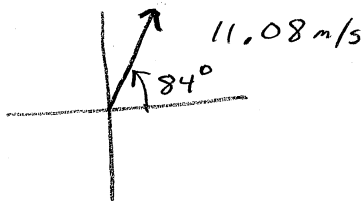
Adding by Vector Components

1

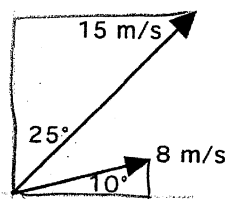


$$\frac{x}{-8 \sin 55 + 10 \cos 40 = 1.107}$$

$$\frac{y}{8 \cos 55 + 10 \sin 40 = 11.02}$$

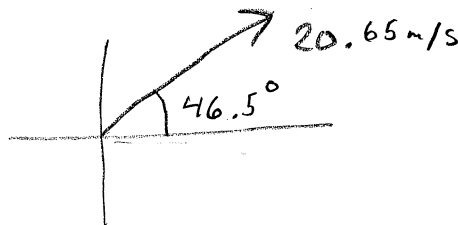


2

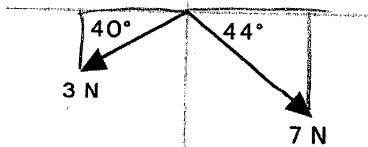


$$\frac{x}{15 \sin 25 + 8 \cos 10 = 14.22}$$

$$\frac{y}{15 \cos 25 + 8 \sin 10 = 14.98}$$

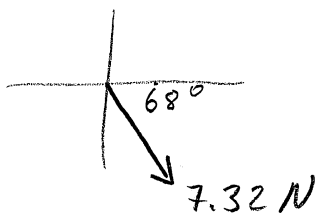


3

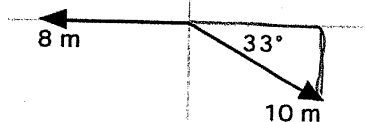


$$\frac{x}{-3 \cos 40 + 7 \cos 44 = 2.74}$$

$$\frac{y}{-3 \sin 40 - 7 \sin 44 = -6.79}$$

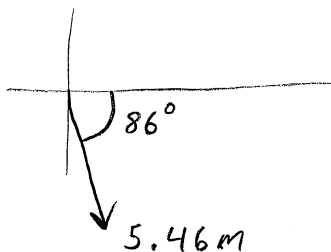


4

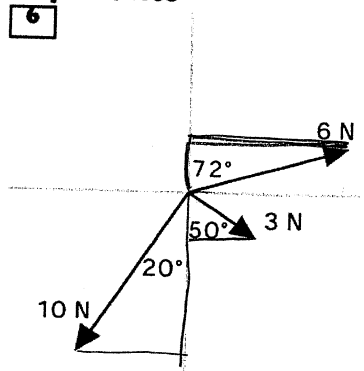
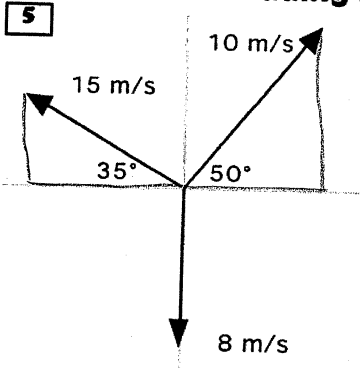


$$\frac{x}{-8 + 10 \cos 33 = 0.387}$$

$$\frac{y}{-10 \sin 33 = -5.446}$$

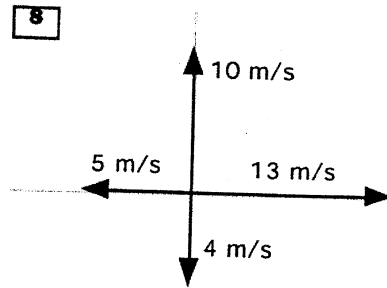
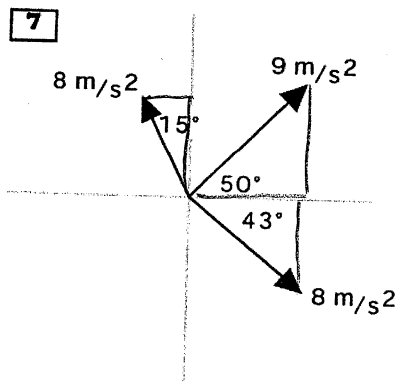
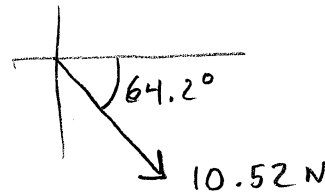
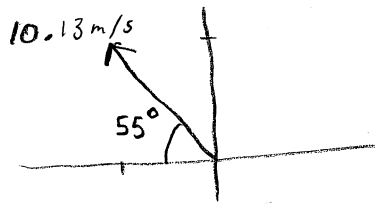


Adding by Vector Components



$$\begin{aligned} \underline{x} \\ -15 \cos 35 + 10 \cos 50 &= -5.86 \\ \underline{y} \\ 15 \sin 35 + 10 \sin 50 - 8 &= 8.26 \end{aligned}$$

$$\begin{aligned} \underline{x} \\ -10 \sin 20 + 3 \sin 50 + 6 \sin 72 &= 4.58 \\ \underline{y} \\ -10 \cos 20 - 3 \cos 50 + 6 \cos 72 &= -9.47 \end{aligned}$$



$$\begin{aligned} \underline{x} \\ -8 \sin 15 + 9 \cos 50 + 8 \cos 43 &= 9.565 \\ \underline{y} \\ 8 \cos 15 + 9 \sin 50 - 8 \sin 43 &= 9.166 \end{aligned}$$

$$\begin{aligned} \underline{x} \\ -5 + 13 &= 8 \\ \underline{y} \\ 10 - 4 &= 6 \end{aligned}$$

