



261b
Acaather

Solution: set up a table to solve for B (Breanna)

| | x | y | Dir. |
|---|--------------|---------------|---------------------|
| R | $-\cos 48$ | $\sin 48$ | $48^\circ \nearrow$ |
| H | $-x \cos 28$ | $-26 \sin 28$ | $28^\circ \searrow$ |
| B | $+ \cos(12)$ | $-\sin(12)$ | $12^\circ \searrow$ |

x is stand in for 12

$$B_x = \frac{B \cos 12}{\cos 12} = \frac{x \cos 48 - 26 \cos 28}{\cos 12} = 0 \quad x = 34.3$$

plug x into
R sin.

$$B_y = \left(\frac{x \cos 48 + 26 \cos 28}{\cos(12)} \right) \sin 48 - \sin 12 = 0$$

$$y = 33.9$$

$$y = 34.5$$