

Angle Brain

- ① Vertical Angles
are equal. I call
them bowtie angles



To find x , we
to each other

Ex



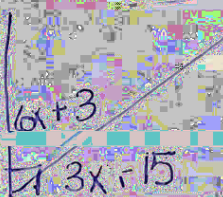
$$\begin{aligned} 3x+2 &= 2x-17 \\ 3x-2x &= -17-2 \\ x &= -19 \end{aligned}$$

- ② Angles that form a linear pair add
up to 180°



$$\begin{aligned} 10x+10 &= 180 \\ 10x &= 170 \\ x &= 17 \end{aligned}$$

- ③ Angles that form a right angle add
to 90°



$$\begin{aligned} 10x+3 &= 90 \\ 10x &= 87 \\ x &= 8.7 \end{aligned}$$

- ④ Angles that form a straight angle add
to 180°



$$\begin{aligned} 10x+3 &= 180 \\ 10x &= 177 \\ x &= 17.7 \end{aligned}$$