Solve for \( x \) and then find the area of each rectangle.

1)
\[
\begin{align*}
\text{Area} &= (55 - 9x) \text{ in} \\
\text{Area} &= (x + 5) \text{ in}
\end{align*}
\]
\[
x = \\
\text{Area} = 
\]

2)
\[
\begin{align*}
\text{Area} &= (6x + 45) \text{ ft} \\
\text{Area} &= (-5x - 1) \text{ ft}
\end{align*}
\]
\[
x = \\
\text{Area} = 
\]

3)
\[
\begin{align*}
\text{Area} &= (5x - 27) \text{ yd} \\
\text{Area} &= (2x) \text{ yd}
\end{align*}
\]
\[
x = \\
\text{Area} = 
\]

4)
\[
\begin{align*}
\text{Area} &= \left(\frac{x}{5}\right) \text{ in} \\
\text{Area} &= (-x + 58) \text{ in}
\end{align*}
\]
\[
x = \\
\text{Area} = 
\]

5)
\[
\begin{align*}
\text{Area} &= (9x + 32) \text{ ft} \\
\text{Area} &= (-13 - 6x) \text{ ft}
\end{align*}
\]
\[
x = \\
\text{Area} = 
\]

6)
\[
\begin{align*}
\text{Area} &= (-x + 18) \text{ yd} \\
\text{Area} &= (7x + 26) \text{ yd}
\end{align*}
\]
\[
x = \\
\text{Area} = 
\]
Solve for \( x \) and then find the area of each rectangle.

1) \[ (55 - 9x) \text{ in} \]

2) \[ (6x + 45) \text{ ft} \]

3) \[ (5x - 27) \text{ yd} \]

4) \[ \left( \frac{x}{5} \right) \text{ in} \]

5) \[ (9x + 32) \text{ ft} \]

6) \[ (-x + 18) \text{ yd} \]

\[ x = \]

\[ x = \]

\[ x = \]

\[ x = \]

\[ x = \]

\[ x = \]

\[ \text{Area} = \]

\[ \text{Area} = \]

\[ \text{Area} = \]

\[ \text{Area} = \]

\[ \text{Area} = \]

\[ \text{Area} = \]