Write the transformed function.

1) \( f(x) = 2x + 3 \); stretched vertically by a factor of 5.

\[ g(x) = \phantom{0} \]

2) \( f(x) = -10x - 3 \); compressed horizontally by a factor of \( \frac{5}{8} \).

\[ g(x) = \phantom{0} \]

3) \( f(x) = 6x + 12 \); stretched horizontally by a factor of 3.

\[ g(x) = \phantom{0} \]

4) \( f(x) = -14x + 8 \); compressed vertically by a factor of \( \frac{1}{2} \).

\[ g(x) = \phantom{0} \]

5) \( f(x) = x - 11 \); compressed horizontally by a factor of \( \frac{1}{6} \).

\[ g(x) = \phantom{0} \]

6) \( f(x) = -5x - 4 \); stretched vertically by a factor of 10.

\[ g(x) = \phantom{0} \]
Write the transformed function.

1) \( f(x) = 2x + 3 \); stretched vertically by a factor of 5.

\[ g(x) = \frac{10x + 15}{12} \]

2) \( f(x) = -10x - 3 \); compressed horizontally by a factor of \( \frac{5}{8} \).

\[ g(x) = -16x - 3 \]

3) \( f(x) = 6x + 12 \); stretched horizontally by a factor of 3.

\[ g(x) = 2x + 12 \]

4) \( f(x) = -14x + 8 \); compressed vertically by a factor of \( \frac{1}{2} \).

\[ g(x) = -7x + 4 \]

5) \( f(x) = x - 11 \); compressed horizontally by a factor of \( \frac{1}{6} \).

\[ g(x) = 6x - 11 \]

6) \( f(x) = -5x - 4 \); stretched vertically by a factor of 10.

\[ g(x) = -50x - 40 \]