5 hours, 40 miles at 2:00 going west.
40 miles at 2:50

\[
\frac{\text{D}}{t} = \text{vel} \quad \frac{40}{\text{miles}} = \text{hour per mile}
\]

\[
\frac{40}{50} = \text{hour per mile}
\]

40 miles = 2:40 = how fast

a) Dist = 48 miles

D(t) = \text{48 t}

b) \frac{\text{48}}{\text{miles}}

c) 48 mph, or how fast Jason was going

---

1.3 #12

\[
y = x^2 + 4x + 3
\]

Complete square

\[
y = \left(x^2 + 4x + 4 - 4\right) + 3
\]

\[
y = (x + 2)^2 - 1
\]

So this is \(x^2\) shifted right 2 and down 1.