$\qquad$


Find the value of x in each pair of similar figures.

The Coast Guard has sent a rescue helicopter
to retrieve passengers off a disabled ship. The
ship has called in its position as 1.7 miles from
shore. When the helicopter passes over a buoy
that is known to be 1.3 miles from shore, the
angle formed by the shore, the helicopter, and
the disabled ship is 90 . Determine what the
altimeter would read to the nearest foot when
the helicopter is directly above the buoy.
Note that 1 mile is 5280 feet.
The Coast Guard has sent a rescue helicopter
to retrieve passengers off a disabled ship. The
ship has called in its position as 1.7 miles from
shore. When the helicopter passes over a buoy
that is known to be 1.3 miles from shore, the
angle formed by the shore, the helicopter, and
the disabled ship is 90 . Determine what the
altimeter would read to the nearest foot when
the helicopter is directly above the buoy.
Use triangle similarity to prove that GHIJK ~
$P Q R S T$.

