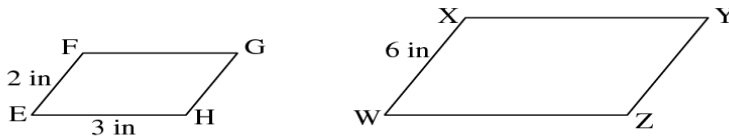


Worksheet on Similar Figures and Indirect Measurement with Multiple Choice

Show proportions for all problems.

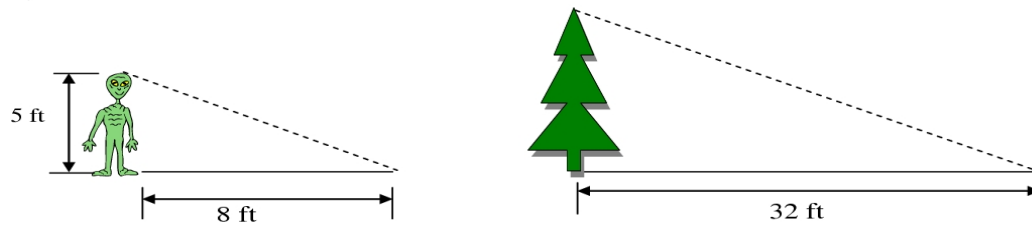
1. Parallelogram EFGH is similar to parallelogram WXYZ.



What is the length of  $\overline{WZ}$ ?

- a) 3 in    b) 6 in    c) 7 in    d) 9 in

2. Lance the alien is 5 feet tall. His shadow is 8 feet long.



At the same time of day, a tree's shadow is 32 feet long. What is the height of the tree?

- a) 20 feet    b) 24 feet    c) 29 feet    d) 51 feet

3. Pentagon JKLMN is similar to pentagon VWXYZ.

What is the measurement of angle X?

- a)  $30^\circ$     b)  $60^\circ$     c)  $150^\circ$     d)  $120^\circ$

