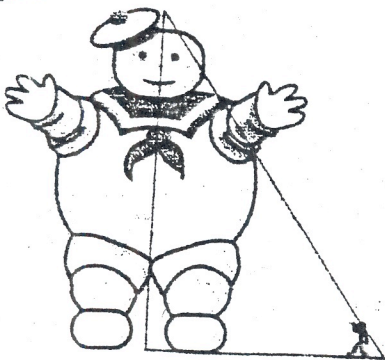


Sheet 6.2 Similar Triangle Applications

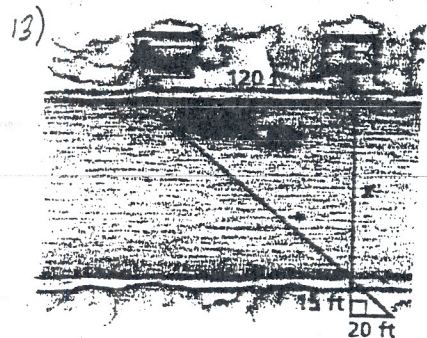
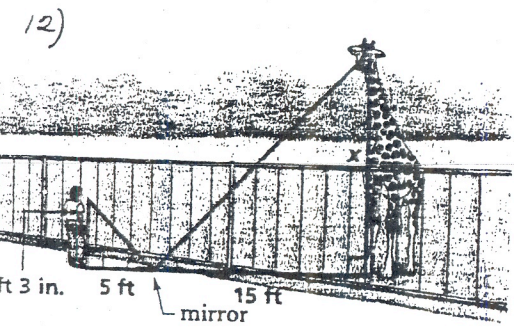
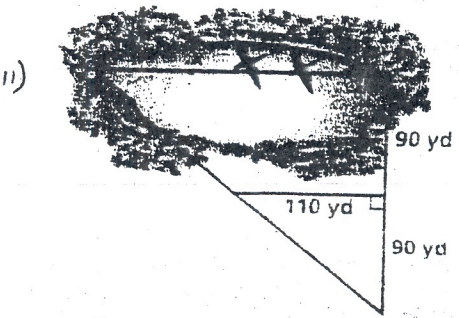
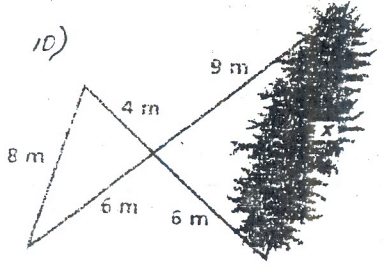
Name _____ Bell _____

9. In the movie *Ghostbusters*, a giant made of marshmallow roams the streets of New York City. Suppose that a man 6 foot 3 inches tall stands so that the tip of his shadow coincides with the tip of the giants shadow. The man is 4 ft. from the tip of the shadows and 24 ft. from the marshmallow giant. How tall is the giant??

Label the Picture first !!!!!



For these remaining problems, find x then justify the similarity by AA~, SAS~, or SSS~. (When using AA~, give a reason for each pair of congruent angles !!)



Standardized Test Prep What is the value of x ?

- A. $5\frac{1}{3}$
- B. 6
- C. 6.75
- D. 7
- E. 8

