

**PROBLEM 1-2**

Determine the length of the lines below using the architect's, engineer's, and metric scales specified above each line. Place your answer in the blank following each scale identification.

Scale  $1/4''=1'-0''$  \_\_\_\_\_  $1''=10'-0''$  \_\_\_\_\_ 1:1 \_\_\_\_\_

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Scale  $3/8''=1'-0''$  \_\_\_\_\_  $1''=20'-0''$  \_\_\_\_\_ 1:2 \_\_\_\_\_

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Scale  $1/2''=1'-0''$  \_\_\_\_\_  $1''=30'-0''$  \_\_\_\_\_ 1:5 \_\_\_\_\_

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Scale  $3/4''=1'-0''$  \_\_\_\_\_  $1''=40'-0''$  \_\_\_\_\_ 1:25 \_\_\_\_\_

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Scale  $1''=1'-0''$  \_\_\_\_\_  $1''=50'-0''$  \_\_\_\_\_ 1:50 \_\_\_\_\_

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Scale  $1/8''=1'-0''$  \_\_\_\_\_  $1''=100'-0''$  \_\_\_\_\_ 1:75 \_\_\_\_\_

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Scale  $1\ 1/2''=1'-0''$  \_\_\_\_\_  $1''=60'-0''$  \_\_\_\_\_ 1:50 \_\_\_\_\_

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Scale  $3''=1'-0''$  \_\_\_\_\_  $1''=200'-0''$  \_\_\_\_\_ 1:5 \_\_\_\_\_

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