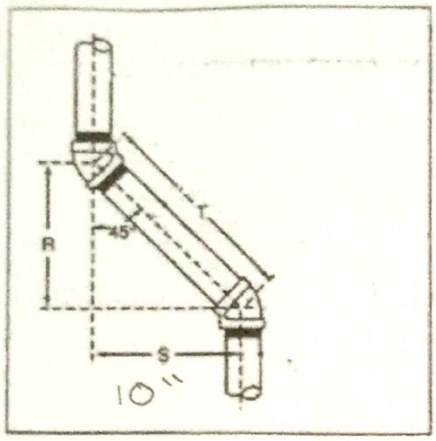
Offset Practice with Special Right Triangles

Answer in simplest radical form

★ run = advance

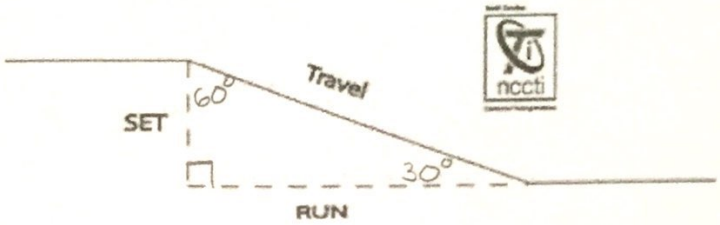


set = 10"

run = ____

travel = ____

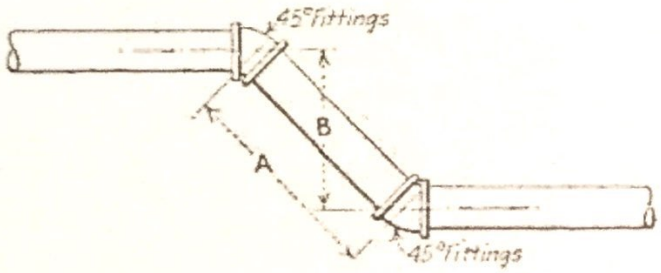
For Plumbers with some formal Plumbing Education



set = 12"

run = ____

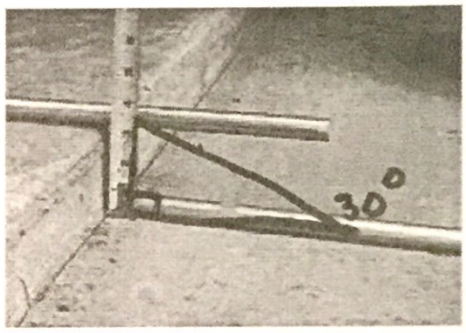
travel = ____



set = ____

run = ____

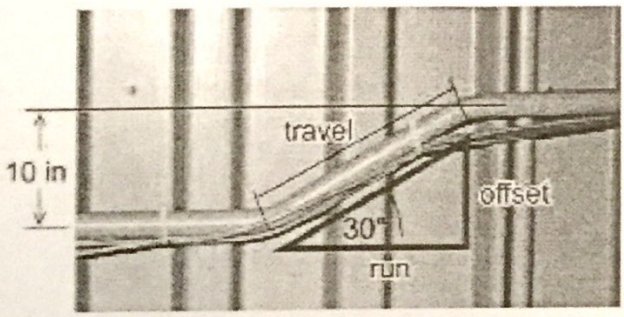
travel = 14"



set = 3 1/2"

run = ____

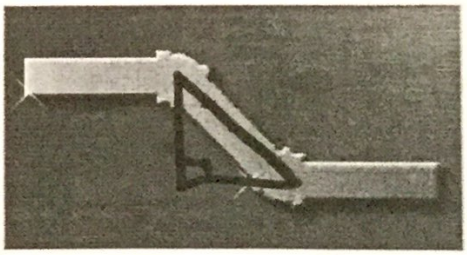
travel = ____



set = ____

run = ____

travel = ____



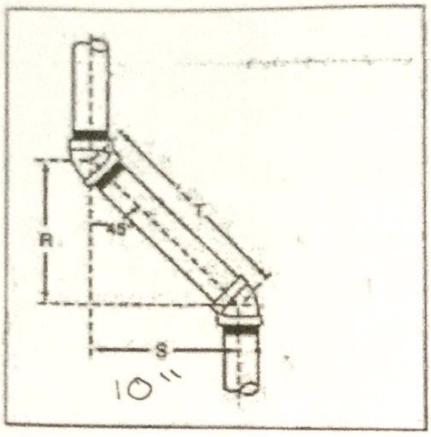
set = ____

advance = 8 1/4"

travel = ____

Offset Practice with Special Right Triangles — Answer in simplest radical form

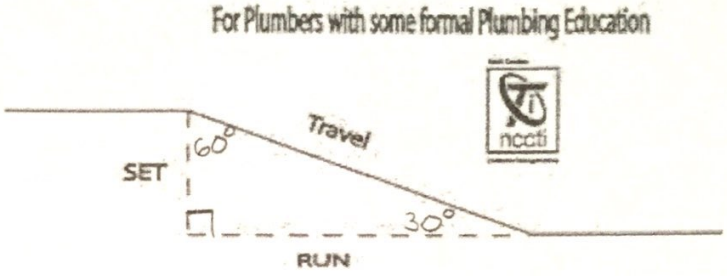
★ run = advance



set = 10"

run = 10"

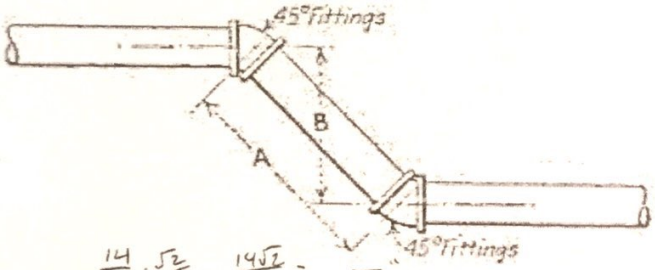
travel = $10\sqrt{2}$ or $14\frac{1}{8}$"



set = 12"

run = $12\sqrt{3}$" or $20\frac{3}{4}$"

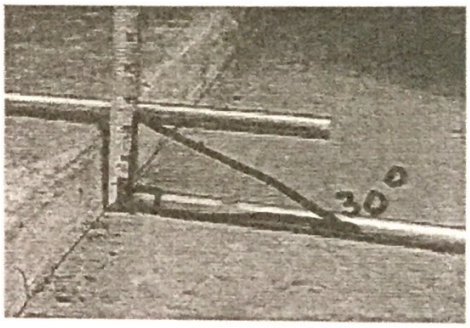
travel = 24"



set = $\frac{14}{\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}} = \frac{14\sqrt{2}}{2} = 7\sqrt{2}$" or $9\frac{7}{8}$"

run = $\frac{14}{\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}} = \frac{14\sqrt{2}}{2} = 7\sqrt{2}$"

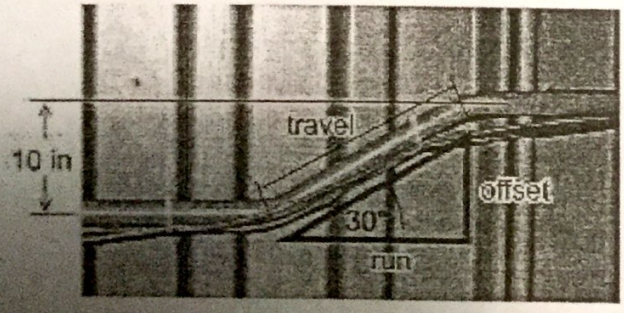
travel = 14"



set = $3\frac{1}{2}$"

run = $3.5\sqrt{3} = 6$"

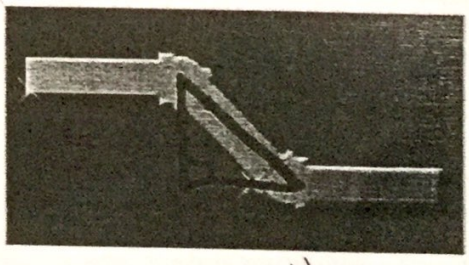
travel = 7"



set = 10"

run = $10\sqrt{3} = 17\frac{3}{8}$"

travel = 20"



set = $8\frac{1}{4}$"

advance = $8\frac{1}{4}$"

travel = $8.25\sqrt{2} = 11\frac{5}{8}$"