14.)
$$Rt = D$$

 $35t = D$
 $55(10-t) = D$
 $35t + 55(10-t) = 436$

38.)
$$(x-5)^{2}+y^{2}=25$$

$$x^{2}-10x+25+y^{2}=25$$

$$x^{2}+y^{2}-10x+25=25$$

$$y^{2}-10(r\cos\theta)=0$$

$$y^{2}-10(r\cos\theta)=0$$

$$y^{2}=10(r\cos\theta)=0$$

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