Problem 1. It takes David 6 hours to paint his fence. Since he doesn't have enough time, he asks his friends Alex and Chris to help. If Alex can paint the entire fence in just 3 hours and Chris can paint the entire fence in 4 hours, how many hours will it take all three to paint the fence?

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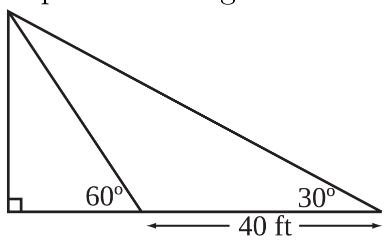

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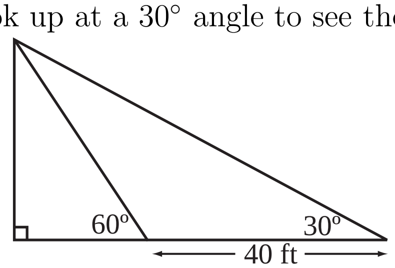

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Problem 10. If r and s are the solutions of

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