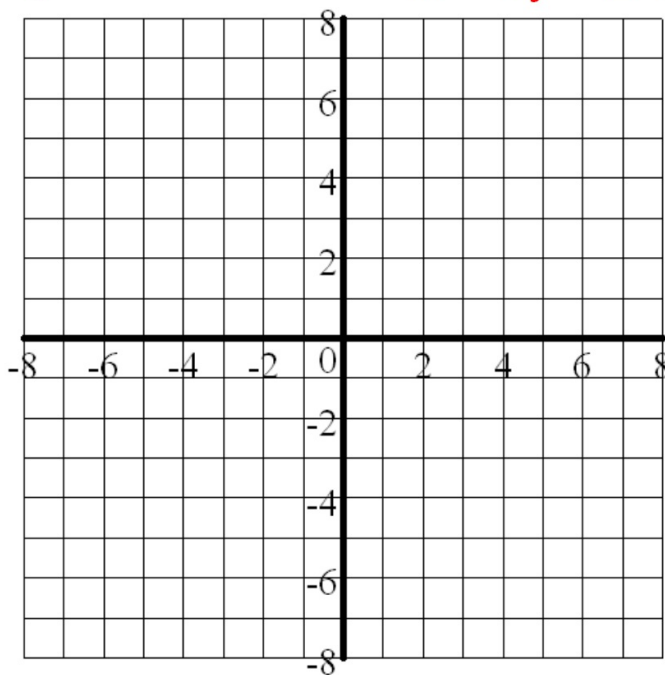1. Solve this system of linear equations by graphing:

$y = -2x$ $\qquad$ $4x + 8y = 24$

2. PQS phone service charges $45 per month and $0.15 per text message. No-Tell phone service charges $55 per month and $0.10 per text. Find the number of text messages for which the montly bill for both companies would be the same.