Name the Film

Solving Trigonometric Equations

A	B	C	D	E	F	G	H	I	J	K	L	M
90°	225°	45°	285°	120°	315°	300°	−45°	30°	105°	255°	0°	320°

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
150°	15°	75°	180°	240°	135°	330°	−60°	60°	270°	360°	210°	−30°

Solve each of the equations in the interval $0° \leq x < 360°$, link your solutions to the table above and unjumble the letters to find the name of a film:

Equation	$\sin x = 0.5$		$\cos x = -0.5$		$\tan^2 x = 3$				$\sin x + \cos x = 0$	
Solutions	30°	150°	120°	240°	60°	240°	120°	300°	135°	315°
Letters	I	N	E	R	V	R	E	G	S	F

Equation	$2\sin^2 x - 3\sin x + 1 = 0$			$3\cos^2 x - \sin^2 x = 2$				$2\sin^2 x - 5\cos x = 2$	
Solutions	30°	150°	90°	30°	330°	150°	210°	90°	270°
Letters	I	N	A	I	T	N	Y	A	W

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