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| 数学３年第２学期中間テスト　解答用紙 | | | | | | | 番 | | 氏  名 | | |  | | |
| 知識・理解 | | 技能 | | | | 数学的な考え方 | | | | | | | 得点 | |
| ／３５ | | ／３９ | | | | ／２６ | | | | | | | ／１００ | |
| １ | (1) | (2) | | (3) | | | | (4) | | | | | | (5) |
| ２ | ① | ② | | ③ | | | | ④ | | | | | | ⑤ |
| ⑥ | ⑦ | | ⑧ | | | | ⑨ | | | | | | ⑩ |
|  |  | |  | | | | 3の(2) | | | | | |
| ３ | (1)   |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | ｘ | … | －４ | －３ | －２ | －１ | ０ | １ | ２ | … | | ｙ | … |  |  |  |  | ０ | － | －２ | … | | | | | | | | | | |
| (3) | | (4) | | | | | | | |
| ４ | (1) | (2) | | | (3) | | | | | |
| (4) | (5) | | | (6) | | | | | |
| (7) | (8) | | | (9) | | | | | |
| ５ | たて　　　ｃｍ　　横　　　ｃｍ　　岩城の順位　　　位 | | | | | | | | | |
| ６ |  | | | | | | | | | |
| ７ | (1) | (5) | | | | | | | | | (6) | | | |
| (2) |
| (3) |
| (4) |
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| ／３５ | | ／３９ | | | | ／２６ | | | | | | | ／１００ | |
| １  各3点 | (1)　アエオ | (2)　オ | | (3)　ア | | | | (4)　アエオ | | | | | | (5)　イウ |
| ２  ①～⑪  各1点  ⑫⑬⑭  各3点 | ①　２０ | ②　± | | ③　±２ | | | | ④　８±２ | | | | | | ⑤  (ｘ－８)(ｘ＋２) |
| ⑥  ｘ－８ | ⑦  ８ | | ⑧  ｘ＋２ | | | | ⑨  －２ | | | | | | ⑩  ８ |
| ⑪  －２ | ⑫  －３ | | ⑬  －６ | | | | ⑭  ｙ＝－ｘ２ | | | | | |
| ３  各3点 | (1)   |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | ｘ | … | －４ | －３ | －２ | －１ | ０ | １ | ２ | … | | ｙ | … | －８ | － | －２ | － | ０ | － | －２ | … | | | | | | | | | | |
| (3)  －３ | | (4)  －８≦ｙ≦０ | | | | | | | |
| ４ | (1) ｘ＝±２ | (2)　ｘ＝－６，４ | | | (3)  ｘ＝－４±２ | | | | | |
| (4)　x= | (5)  ｘ＝－６，９ | | | (6)  ｘ＝３，５ | | | | | |
| (7)  ｘ＝５ | (8)  ｘ＝０，１２ | | | (9)  ｘ＝１ | | | | | |
| ５  ４点 | たてをｘとすると、横はｘ＋７　　　ｘ＝８、－１５  ｘ（ｘ＋７）＝１２０　　　　　－１５は問題に合わない  ｘ２＋７ｘ－１２０＝０　　　　　よってｘ＝８  （ｘ－８）（ｘ＋１５）＝０  　　　　たて　８　ｃｍ　　横　15　ｃｍ　　岩城の順位　２　位 | | | | | | | | | |
| ６  ４点 | （２ｘ）２＋（１０－２ｘ）２＝５２  ｘ２－５ｘ＋６＝０  （ｘ－３）（ｘ－２）＝０  ｘ＝３，２  これは問題にあっている。  よって＝３，２　　　　　　　　　　　　3秒後と2秒後 | | | | | | | | | |
| ７  各３点 | (1)  25個 | (5) 省略 | | | | | | | | | (6)  これを解いて　ｎ＝１１    11段 | | | |
| (2)  ｎ２ |
| (3)  11段 |
| (4)  30本 |